Overhead Hoists

user guide

Wispa 100 Plus

Wispa Hoist Models
100 Plus

Chiltern
Invadex (UK) Ltd

CE
93/42 EEC

This user guide contains essential information in relation to safe use and troubleshooting and should be retained with the hoist for reference

Chiltern Invadex Overhead Hoist

Overhead Hoists

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These products have been designed to the highest standards with safety, strength and quality in mind.

Follow the recommendations in this guide to ensure maximum benefit from your Overhead Hoist. Should you experience any difficulties please consult the trouble shooting guide, prior to contacting your Overhead Hoist supplier.

Chiltern Invadex (UK) Ltd

Your Chiltern Invadex Hoist has been designed and tested to meet the highest standards of safety. Read the safety section of this guide prior to use. This is contained on page 2.

Intended Use of the Product

The Wispa hoist has been designed to lift and transfer a disabled person with the help of a carer. It should be used with a Wispa sling or other lifting accessories from the Chiltern Invadex range, as assessed by a trained person.

Note: Not all slings and accessories are compatible with this hoist. If you are unsure please contact Chiltern Invadex (UK) Limited.

The correct and appropriate use of this product will reduce the risks associated with manual patient handling. The lifting/transferring task should be assessed and planned by a trained person.

Safety Considerations

Safety

- Ensure that all users read this guide before operating the hoist.
- Do not operate the Overhead Hoist without training in the safe operation of the hoist and slings.
- Only use slings which have been assessed as suitable by a trained person.
- Read the relevant Sling User Guide, which is provided with each sling. It explains in detail how to use slings correctly.
- Do not use the hoist if there is any doubt about wear to the carry bar or there is fraying or stitchdamage to the lifting tape or slings, or if the hoistitself is damaged in any way.
- Before using the hoist for the first time ensure the batteries are fully charged (Battery models only).
- Do not exceed the Maximum load of the hoist.
  W, WB, WL, WLB models 130kgs (20 stone)
  WT, WLT, WTB, WLTB models 190kgs (30 stone)

When using the Overhead Hoist

- Ensure when the hoist is in use that the surrounding area is clear and the person being lifted is clear of all objects.
- Hoists should only be used to lift vertically. Lifting at an angle will wear the lifting tape prematurely.
- Do not leave a user unattended in the sling.

After use

- Return the hoist to the charging position when not in use (Battery models only).
- The outer case, mechanical parts and track should only be removed by a qualified service engineer.
- Do not touch any of the moving parts in the hoist unit or in the track. Contact Chiltern Invadex for assistance.
- Take care when attaching or removing a sling as the carry bar could cause injury if the user is hit in the face.
- Do not try and lift using the emergency lowering device as this can damage the hoist.

Powered Traverse Models

- For maximum comfort, always move the user in one movement and avoid stop/starting the hoist. Some occupants are reassured if the carer holds them whilst the hoist is traversing.

Chiltern Invadex (UK) Limited strongly recommend that hoists and related products are not used independently.

Under some circumstances it may be appropriate for the person being lifted or transferred to control the operation themselves; however it is recommended that this should always be whilst accompanied by an appropriately trained person.

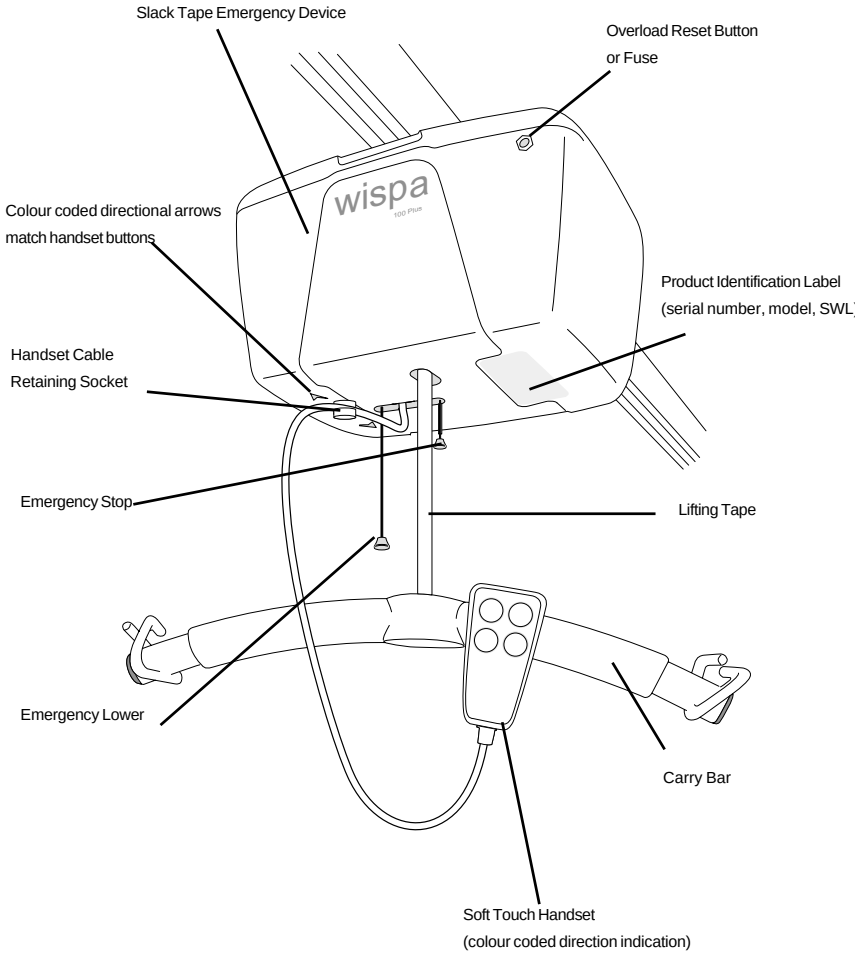
The latest version of the hoisting standard ISO 10535:2006 makes the following statement;

Clause 7.6 “When a hoist is to be used by a disabled person living on their own, then some form of communication device shall be installed in the area of use of the hoist so that in the event of an emergency the disabled person is able to summon assistance.

NOTE This may, for example, be the fitting of an alarm system or the supply of a conveniently placed telephone etc.”

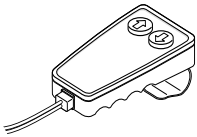
It is ultimately the responsibility of the user and healthcare professionals to make the necessary assessment of risk where independent use of the system is required.

Using the controls

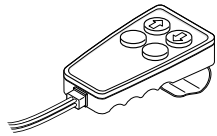


Hand controls
The controls use air to operate the hoist and are therefore completely safe to use with wet hands.

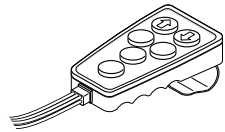
Two Button Hand Control



Four Button Hand Control



Six Button Hand Control



Please Note: The handset is the correct way round when the buttons are at the top.

Two Button Hand control used on Wispa Hoist Models
The two button hand control is used to control the lifting and lowering of the carry bar on Wispa hoist models. The lifting and lowering are controlled by the ↑ or ↓ buttons.

Four Button Hand Control used on 'Wispalong' Hoist Models
The four button handset is used to control the raising and lowering of the carry bar and the powered traversing along the ceiling track on Wispalong models.

The traversing function is controlled by the ← or → buttons, on the handset. The buttons are colour coded with blue and yellow. These colours correspond to the blue and yellow direction travel arrows on the underside of the hoist case.

To control the direction of the hoist, view the coloured direction arrows mounted on the hoist and press the button on the hand control which corresponds in colour to the arrow on the hoist.

The hoist must be moved away from the charging point at the end of the track before the lifting and lowering functions will operate.

Six Button Hand Control used on X-Y Models
The 6 button hand control has the same function buttons as the four button hand control, with the addition of the tracking for the X-Y system.

The tracking X-Y function is controlled by the bottom buttons on the handset. The buttons are colour coded with red and green. These colours correspond to the red and green direction travel arrows on the underside of the track ends.

To control the direction of the hoist, view the coloured direction arrows mounted on the hoist and track ends and press the button on the hand control which corresponds in colour and direction to the arrows.

Emergency Stop

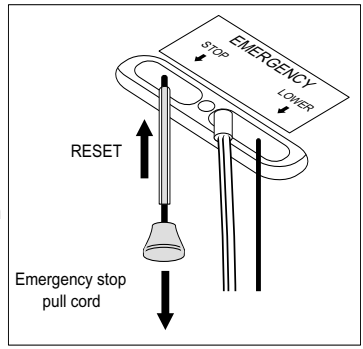
To operate in case of an emergency, pull the red cord to switch off the hoist completely.

Reset Procedure

Once the emergency stop has been activated, the hoist will need to be reset.

To reset the emergency switch, slide the plastic tube on the red cord upwards through the hole in the case and push to reset the switch.

The hoist should now operate normally.



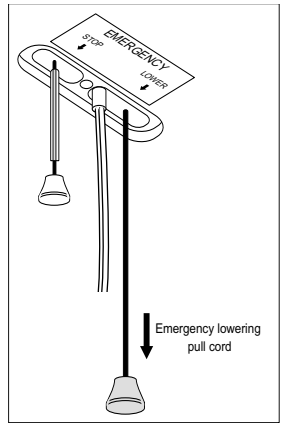
Emergency Lowering

In the unlikely event of a power failure or hoist malfunction the hoist occupant may be lowered using the emergency lowering cord.

To operate, pull the white cord gently until 2 clicks are heard/felt. The occupant will then be slowly lowered.

In certain circumstances the cord may need to be pulled more gently for just one click, to lower the occupant. If this occurs refer to the troubleshooting guide on page 9.

Do not try and lift using the emergency lowering device as this can damage the hoist.



Please Note: The emergency lowering device uses a small battery to allow the occupant of the hoist to be lowered in the event of an emergency. Frequent testing of this device in non-emergency situations will quickly discharge the battery. The battery should be renewed at each service and after use.

Charging Wispa Battery Hoists

When not in use it is VERY important to return Wispa Battery hoists to the end of the track where the charging unit for the batteries is housed. To engage the hoist with the charger, simply push or traverse the hoist to the end of the track. Correct engagement is signalled when the charging light glows green. Once the hoist is engaged, charging is automatic. No further actions are required to charge the batteries. The batteries cannot be overcharged. When the Hoist is on charge the lifting and lowering functions will not operate.

Battery Low Indicator Light (Wispa Battery Hoists Only)

The battery low indicator light will glow red when the hoist's batteries are in need of charging. This is unlikely to happen unless the hoist is used for long periods of time (approximately 60 lifts) without charging, or the hoist has not been properly 'parked' in its charger, to recharge the batteries.

Battery Low Warning Buzzer (Wispa Battery Hoists Only)

If the battery low warning buzzer sounds, then the batteries need recharging before use.

Overload Reset Button

This device safeguards the hoist against overload. Should the hoist not respond to the handset controls and the battery warning light is not illuminated (Wispa Battery models), press the overload button to reset.

If the hoist fails to respond contact Chiltern Invadex or your supplier.

Servicing and maintenance

European standard EN10535 requires that hoists shall be serviced every 12 months. LOLER regulations require an additional Inspection every 6 months. All inspection and maintenance work must be conducted and certificated by a competent person.

Daily checks (or before use, if used infrequently)

Chiltern Invadex and its Authorised Dealers are able to carry out all aspects of servicing or maintenance work.

Keep the service record (at the back of this booklet) up to date.

DO NOT USE IF:

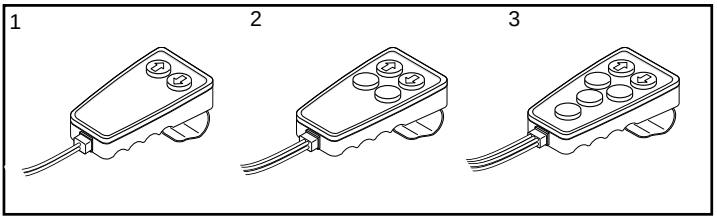
1. There is any damage to the hoist.
2. There is fraying or stitch damage to the lifting tape, or slings.

Lifting tape wear can vary depending upon application, but it is recommended that the tape should be changed at every other service or approximately every two years. A worn tape should be renewed regardless of age.

To ensure maximum cleanliness
Slings should be washed in accordance with the instructions on the label, sewn into the sling.

Parts

item	description	qty	part no
1	2 Button Hand Control	1	OHHS150
2	4 Button Hand Control	1	OHHS151
3	6 Button Hand Control	1	OHHS152



Troubleshooting

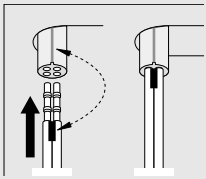
Battery models only

symptom	suggested cause	solution
Hoist lacking power	Battery power is low	Batteries need charging
Hoist makes beeping sound	Battery poweris low	Batteries need charging
Red light shows on the Hoist	Battery power is very low	Batteries need charging
Green light on hoist	No power	Ensure that the power is switched on at the mains

Models powered via a white curly cable only

symptom	suggested cause	solution
No hoist function	No power	Ensure that the power is switched on at the mains

All models

symptom	suggested cause	solution
Hoist will not function at all	Overloaded	Press reset button on side of hoist case. If hoist does not reset call out required.
	Emergency stop activated	Reset, see page 6.
Hoist stops whilst lifting	Tape is twisted	Ensure that tape is vertical
Hoist lifts when down button is pressed 	Airline connected incorrectly	The black line indicated on the handsets airline must align with the raised edges on the hoist connection when inserted into the grommet on the hoist box
	Lifting tape may be reversed on the spool	To correct this press the up button to lower carry bar whilst pulling down gently the lift tape to the end of its travel. Tape will then rewind itself correctly, or the lower cutout will operate. If the lower cutout operates the tape is wound correctly.

Further assistance

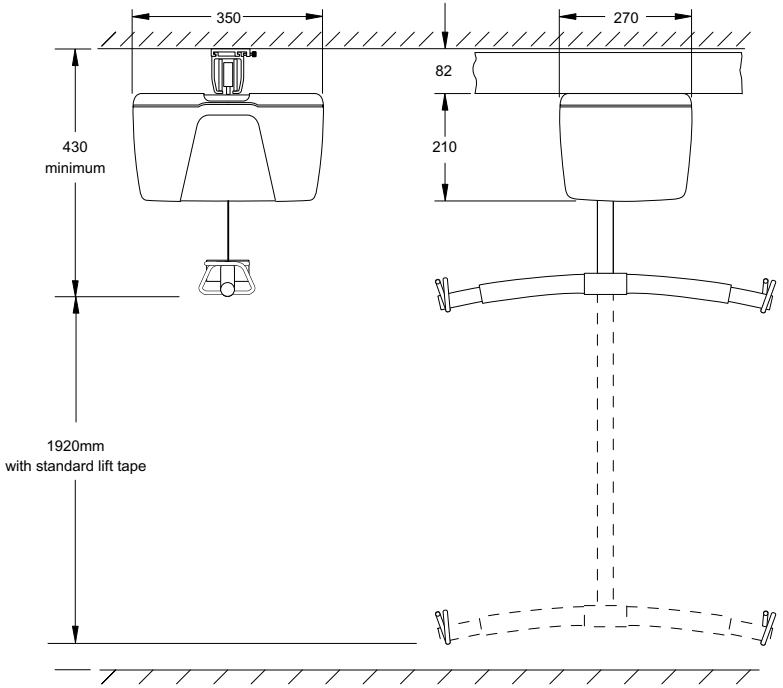
Please telephone Chiltern Invadex on 01869 365500 further assistance. Remember that service calls made after the guarantee period will be chargeable. If the maintenance of the equipment is the responsibility of a third party, for example the Social Services, please contact them in the first instance.

Hoist Specification

Lifting capacity	WP, WBP, WLP, WLBP models - 130 Kg (20 stone)
	WTP, WLTP, WTBP, WLTBP models -190 Kg (30 stone)
Case construction	Injection moulded Flame Retardant ABS
Lifting Range	Approximately 2000mm**
No of Lifts per Charge	60* (Battery models)
Battery voltage	24 vdc
Overload cut out	<150% maximum load (All models)
Hand control	Pneumatic hand control
Track	Aluminium extruded track
Low battery indication	Audible and visual warning device on hoist (On battery models only)
Clearance dimension	Top of track to bottom of carry bar hook at max height is 520mm

*600mm up and down cucle with average 70kg (11.3 stone) patient weight.
**This is adjustable and should be set by the installer to meet the requirements of the user. Typically the carry bar would stop around 300mm from the floor.

CE Mark
The Chiltern Invadex Wispa 100Plus Hoist carries the CE mark and complies with EC Directives:
Medical Devices Directive (93/42/EEC)
EMC Directive (89/336/EEC)
Low Voltage Directive (73/23/EEC)



Warranty

Your Chiltern Invadex (UK) Limited Overhead Hoist carries a 12 month warranty from the date of purchase, subject to the following :-

1. Should you experience any problems with your product within the first 12 months period please contact your point of purchase.

2. Repairs made during the warranty period will be carried out free of charge, provided the product has been used strictly in accordance with the guidelines set out in this user guide.

3. Our warranty does not cover replacements, adjustments or repairs which may be required as a result of normal wear and tear, wilful or accidental damage, misuse, neglect or any other cause which is beyond the control of Chiltern Invadex (UK) Limited.

4. Modifications and repairs made to this product by unauthorised persons will render the warranty void.

5. Only parts manufactured or approved by Chiltern Invadex (UK) Limited shall be used to repair this product. Use of unauthorised parts will invalidate all warranties and remove all liability from Chiltern Invadex (UK) Limited for the safety of this product.

6. Chiltern Invadex (UK) Limited shall in no event be liable for any damages, costs or expenses arising from any claim made under this warranty (save for any legal liability of Chiltern Invadex (UK) Limited for death or personal injury resulting from the company's negligence in respect of its products).

7. This warranty does not affect your statutory consumer rights.

Wispa Hoist Service Record

Serviced By
(company) .....

address .....

..... post code .....
Engineers Name (please print) Signature

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Date: ..... Load Tested To: .....Kgs

Comments.....

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Serviced By
(company) .....

address .....

..... post code .....
Engineers Name (please print) Signature

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Engineers Name (please print) Signature

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Date: ..... Load Tested To: .....Kgs

Comments .....

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Dealers Name

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Address

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.....

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Postcode.....

Telephone

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Your Serial Number is

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Date of purchase

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Overhead Hoists

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Fax: 01869 365588

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Fax: +44 (0)1869 365588

Web: www.chilterninvadex.co.uk
E-mail: sales@chilterninvadex.co.uk

WEEE producer number
WEEJD1274RU

The crossed wheelie bin symbol shown on this product indicates that the item must not be disposed of with general household waste. Proper recovery of your waste electronic and electrical equipment will ensure safety of human health and the environment.

For more information where the product can be safely disposed of please contact your Local Authority, the dealer from where the product was purchased or Chiltern Invadex (UK) Limited.

To request a copy of this guide in large print please contact customer services on 01869 365500 opt 1 or email: sales@chilterninvadex.co.uk

FM553189
BS EN ISO 9001:2008

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